

A METHOD AND SYSTEM FOR LASER MARKING A GEMSTONE  
ABSTRACT OF THE DISCLOSURE

A system for laser marking a gemstone (10) is provided. A pulsed laser (20) generates a laser pulse (40) which is then directed towards a focusing element (60) through optical means (30). Lens (60) focuses the laser pulse into focused pulse (70). The focused pulse (70) is projected onto a surface of gemstone (80) which is mounted in fixture (90). A computer control system (110) allows a user to input and control a predetermined path of displacement between the gemstone (80) and the focused laser pulse (70).

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